



Recombinant Escherichia coli Aspartate--tRNA ligase (aspS)

Product Code	CSB-MP511480ENU
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
Uniprot No.	C4ZQF0
Product Type	Recombinant Protein
Immunogen Species	Escherichia coli (strain K12 / MC4100 / BW2952)
Purity	>85% (SDS-PAGE)
Sequence	MRTEYCGQLR LSHVGQQVTL CGWVNRRRDL GSLIFIDMRD REGIVQVFFD PDRADALKLA SELRNEFCIQ VTGTVRARDE KNINRDMATG EIEVLASSLT IINRADVLPL DSNHVNTEEA RLKYRYLDLR RPEMAQRLKT RAKITSLVRR FMDDHGFLDI ETPMLTKATP EGARDYLVPS RVHKGKFYAL PQSPQLFKQL LMMSGFDRYY QIVKCFRDED LRADRQPEFT QIDVETSFMT APQVREVMEA LVRHLWLEVK GVDLGD FVPM TFAEAERRYG SDKPDLRNPM ELTDVADLLK SVEFAVFAGP ANDPKGRVAA LRVPGGASLT RKQIDEYGNF VKIYGAKGLA YIKVNERAKG LEGINSPVAK FLNAEIIEDI LDR TAAQDGD MIFFGADNKK IVADAMGALR LKVGKDLGLT DESKWAPLWV IDFPMFEDDG EGGLTAMHHP FTSPKDMTAA ELKAAPENAV ANAYDMVING YEVGGGSVRI HNGDMQQTVF GILGINEEEQ REKFGFLDA LKYGTPPHAG LAFGLDRLTM LLTGTDNIRD VIAFPKTTAA ACLMTEAPSF ANPTALAEELS IQVVKKAENN
Source	Mammalian cell
Target Names	aspS
Protein Names	Recommended name: Aspartate--tRNA ligase EC= 6.1.1.12 Alternative name(s): Asparyl-tRNA synthetase Short name= AspRS
Expression Region	1-590
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	full length protein
Reconstitution	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.
Shelf Life	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.



Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.